



NASA Modeling Guru Basics



NATIONAL AERONAUTICS
AND SPACE ADMINISTRATION

- + NASA Portal
- + Request an Account
- + Modeling Guru Home

Modeling Guru BETA

Welcome, Guest [Login](#)



A Brief Introduction to NASA Modeling Guru

Modeling Guru is a research and collaboration resource for all those concerned with NASA scientific models or NASA's High End Computing (HEC) systems.

Content by

Modeling Guru

Modeling Guru

Modeling Guru

Modeling Guru

Modeling Guru

Atmospheric Dynamic Models

- GEOS-DAS
- GEOS
- MERRA
- GCE
- GISS ModelE
- fvCore

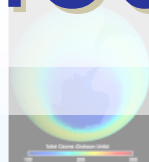
Atmospheric Chemistry Models

- GEOS-CHEM
- GMI

Ocean Models

- Poseidon
- MOM4
- MIT OGCM

Solid Earth Models



Modeling Guru is a combined forum and knowledge base, becoming a repository for the accumulated expertise of NASA's scientific modeling community. All NASA modelers and associates are encouraged to participate and help us fill the "holes" in our modeling knowledge.

Disclaimer: While this is a government resource, it is not totally screened for content. By accessing this site, you agree to use it at your own risk.

Become a Registered Member Today!

Registration form fields: Username, Password, Confirm Password, Email Address, and a checkbox for "I agree to the terms and conditions of the site."

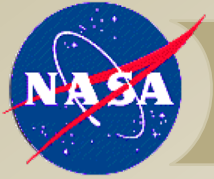
Registration offers you a number of benefits, including being able to view restricted material, ask questions, contribute your expertise and more. View registration instructions in the [Modeling Guru Registration FAQ](#).

★ New to Modeling Guru?

This site offers a number of powerful features, including "wiki" documents, RSS feeds, search tools, and more. For a brief intro, see [Modeling Guru Basics](#) or take the more-detailed [Quick Tour](#).





★ Important Links

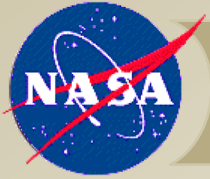
- [How To Register](#)
- [Frequently Asked Questions](#)
- [Posting Policy](#)



NASA Modeling Guru Basics

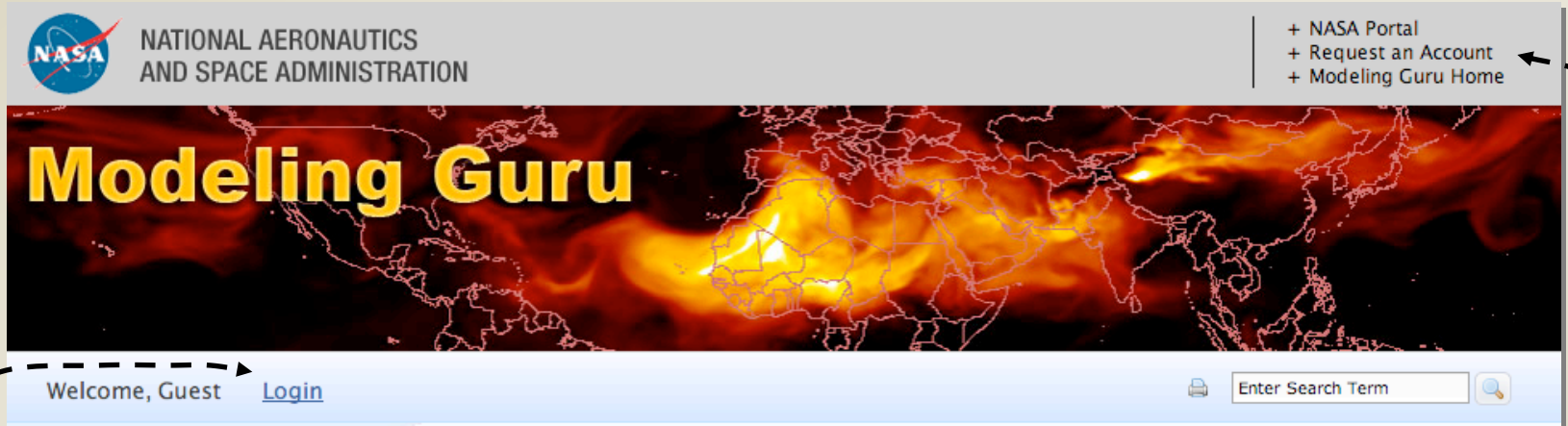
What is Modeling Guru?

- It is a collaborative, knowledge-sharing environment for NASA's scientific modeling community
 -  – Forums for discussions, questions, & feedback
 -  – Online "Wiki" documents for collaborative writing
 -  – Excellent Search features
 -  – Email/private messages
- It is available at: <https://modelingguru.nasa.gov>
- It's running on *Jive Social Business Software*

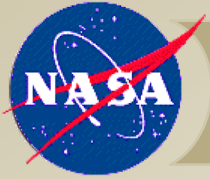


NASA Modeling Guru Basics

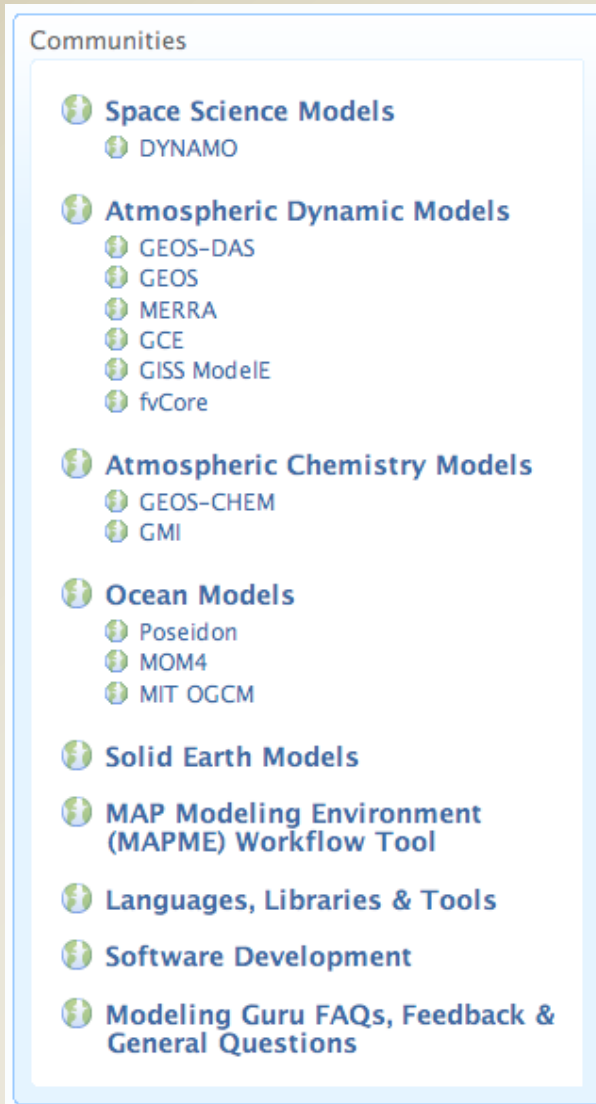
Register and Log In



- Anyone can view most of the content on Modeling Guru, but you must log in to post messages and view restricted communities.
- Click the Login link to enter your Username and Password
- If you need an account (valid for Modeling Guru only), click "Request an Account" at the top right, and follow the instructions to apply with the web-based registration form.

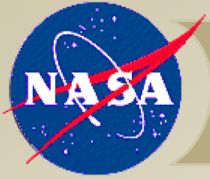


NASA Modeling Guru Basics



Communities

- Modeling Guru is divided into a hierarchy of communities
- Each community has its own discussions, documents, and possibly blogs (to start a blog, see Curator shown in footer)
- Each community has its own privacy settings and can restrict access to a select group of users.
 - See Curator to request adding a new sub-community for a select group



NASA Modeling Guru Basics

Actions

Clicking on the GMI sub-community will bring you to this GMI Overview.

From this page you can:

- Start a new discussion

- Create a document

- Receive email notifications

- Click to subscribe to all new posts in this community

- View RSS feeds

- Use "breadcrumb" links to go back to a parent community

- Browse recently posted content. Use above tabs to view only discussions or documents

NASA Modeling Guru > Atmospheric Chemistry Models > GMI

GMI

Overview All Content (24) Discussions (5) Documents (19) Blog Posts (0)

GMI Background Info

The goal of GMI is to develop and maintain a state-of-the-art modular 3-D chemistry and transport model (CTM) that can be used for assessment of the impact of various natural and anthropogenic perturbations on atmospheric composition and chemistry.

Help for New Users

New to GMI? Here are documents to help you get started.

- [Description of the GMI Code](#)
- [Obtaining the GMI code](#)
- [Installing - Compiling - Running the code](#)

Sub-Communities

	Discussions	Documents	Blog Posts
gmi-integration email archive	262	1	

Recent Content

Author	Subject	Views	Replies	Last Activity
mrdamon	GMI Production Run Spreadsheet	386	0	2 days ago by mrdamon
mrdamon	GMI Production Runs	179	0	2 days ago by mrdamon
mrdamon	GMI Production Runs Summary	80	0	2 days ago by mrdamon

Actions

- [Start a discussion](#)
- [Create a document](#)

Notifications

- [Receive email notifications](#)
- [View RSS feeds](#)

Important Links

- [GMI Home Page](#)

Top Members

- [kouatch](#)
- [mrdamon](#)
- [whoff](#)
- [gswojick](#)
- [aartsen](#)

[View all participants](#)

The **Actions** choices will be discussed on the next 4 pages



Start a Discussion

- A discussion (a.k.a. forum thread) is used to post comments, solicit feedback, or ask questions.
- If you "Mark this thread as a question", both you and the person responding with helpful answers will get extra "Guru" points.
- Use the Rich Text Toolbar to add formatting, tables, and embed images.
- Attach files, if you wish.
- Remember to add topic Tags to make your thread easy to search for later.
- Click to post your message



NASA Modeling Guru Basics

Create a Document

New Document

Select the community where you'd like to create a new document. Also, choose the type of document you'd like.

Community: **GMI** ([change](#))

- ☒ Start a new document (using wiki markup if you like).
- ☐ Upload a file from your computer (such as a Word, PDF, or image file)

[Create New Document](#) [Cancel](#)

-A document is for capturing and sharing knowledge with others. The default "wiki" format lets you edit right in the browser, and allows others to easily collaborate on the same document.

-Select the lower option to upload an existing document in any standard document format

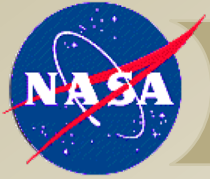
-This document will be stored within the GMI community, unless you click "change" and select another community



Create a Document

The Document editor is similar to the Discussion editor, but has a couple notable differences:

- Clicking on "Collaboration Options" allows the author to set who may edit, who may comment, and designate users who must approve the document
- The content in documents is held to a higher standard than discussion posts, so all require approval by the community moderator before they are visible to the public



NASA Modeling Guru Basics

View RSS Feeds

NASA Modeling Guru > Atmospheric Chemistry Models > GMI

GMI RSS Feeds

Use the links below to subscribe to RSS feeds for this community. For private communities, you'll need to append your username and password to the feed URL or use a desktop feed reader that supports private feeds.

All Content RSS Feed: <https://modelingguru.nasa.gov/clearspace/community/feeds/allcontent?communityID=2001>

Tag RSS Feed: <https://modelingguru.nasa.gov/clearspace/community/feeds/tags/?communityID=2001>

Announcements: <https://modelingguru.nasa.gov/clearspace/community/feeds/announcements?communityID=2001>

Polls: <https://modelingguru.nasa.gov/clearspace/community/feeds/polls?communityID=2001>

Discussion Messages: <https://modelingguru.nasa.gov/clearspace/community/feeds/messages?communityID=2001>

Popular Discussion Threads: <https://modelingguru.nasa.gov/clearspace/community/feeds/popularthreads?communityID=2001>

Discussion Threads: <https://modelingguru.nasa.gov/clearspace/community/feeds/threads?communityID=2001>

Unanswered Threads: <https://modelingguru.nasa.gov/clearspace/community/feeds/unansweredthreads?communityID=2001>

Blog Posts: <https://modelingguru.nasa.gov/clearspace/community/feeds/blogs?communityID=2001>

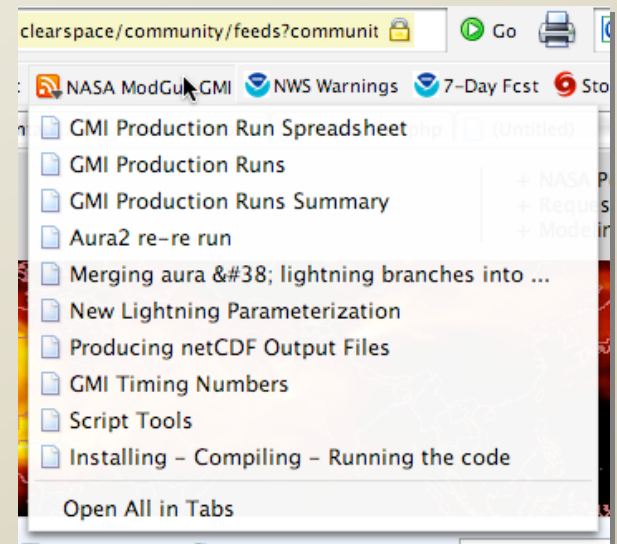
Documents: <https://modelingguru.nasa.gov/clearspace/community/feeds/documents?communityID=2001>

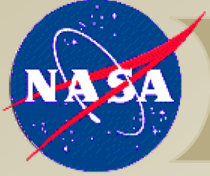
Statistics: <https://modelingguru.nasa.gov/clearspace/community/feeds/stats?communityID=2001>

NOTE: To view feeds for a different community, choose the community from the drop down list below:

To avoid "email overload" you may prefer to use RSS Feeds to check on recent posts to the community.

In Firefox, clicking on one of the RSS links (shown left) will let you set up a drop-down menu of recent posts:

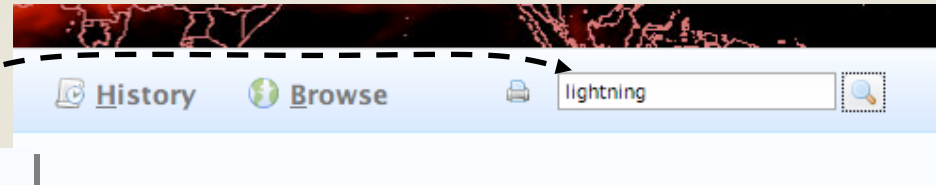




NASA Modeling Guru Basics

Searching for Content

Use the Search box at the top of each page to find specific topics:-



Search

Search:

[Fewer options](#) [Search Tips](#)

What: ☒ Blog Posts ☒ Documents ☒ Discussions ☒ Blogs ☒ Communities ☒ People [\(Select None\)](#)

When:

Where:
Space Science Models
DYNAMO
Atmospheric Models
GEOS-DAS
GFOS

Search Results

Your search for "lightning" returned 98 results

[1](#) [2](#) [3](#) ... [7](#) [Previous](#) [Next](#)

Items per page

Sort by



Merging aura & lightning branches into the trunk in GMI

Nov 7, 2007 by mrdamon

.. We would like to start using only the trunk of the code for further production runs. There are up and coming runs in the near future for both aura2 and lightning experiments. Our aim ... lightning routine for ap1.0 (ap1.1 needs to be tested still) ... cmi_flags1 calculation ... lightning diagnostics (cldmas, cmi, cmi1) ... lightning_opt and no_lgt namelist

Tags: merge lightning aura changes column output ho2 uptake lightning_opt troposphere combo



GMI Production Runs Summary in GMI

Dec 30, 2007 by mrdamon

: users/mrdamon/aura3NoNOx combo aura3 rerun new Nox
aura3NewNOx2.0.0.b1After_HO2rxn_NewLightning_v2_AuraRunsCodeBranchdirac:

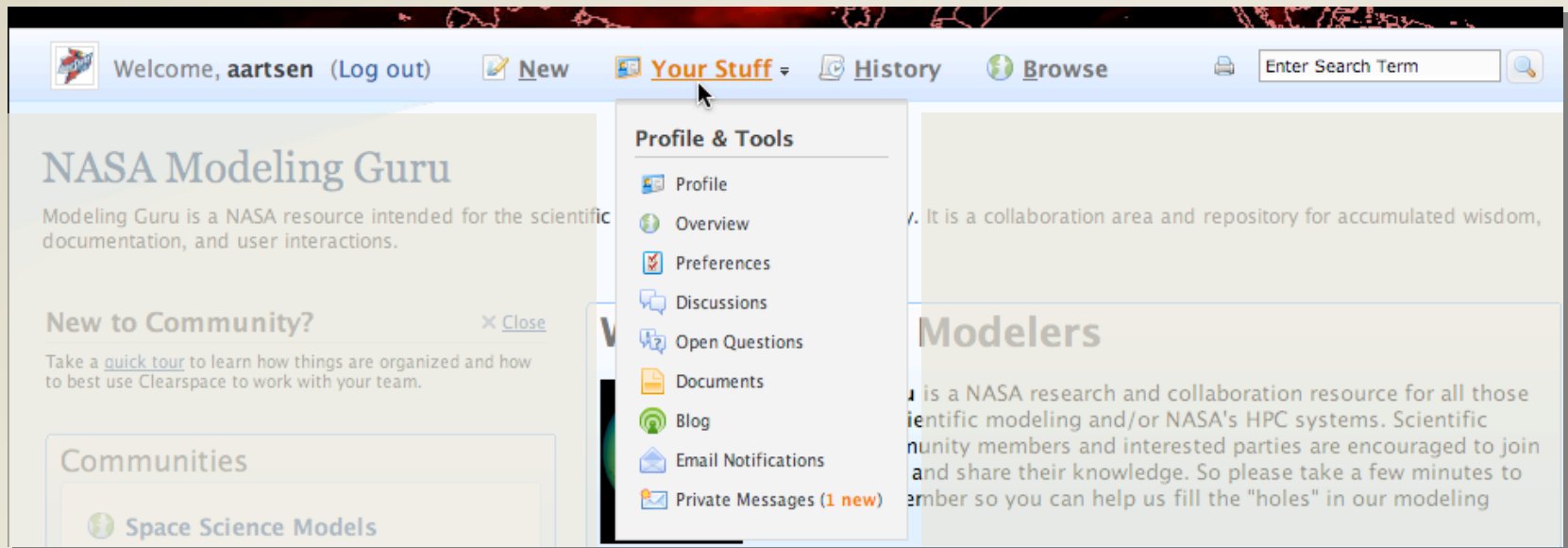
The resulting Search page will list all matching results in the Modeling Guru database.

- Click on "More options" to see the filter options shown here.
- You can filter by message type, posting date, and Community
- Use typical search syntax, such as quotes around phrases, and Boolean operators (AND, OR, NOT, +, -)
- Click on "Search Tips" for help with other features like wildcards, term-weighting, proximity search, etc.



NASA Modeling Guru Basics

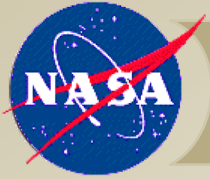
Navigation Bar



The Navigation Bar provides an easy way to access all of “Your Stuff”:

- Set your profile information and avatar (personal icon)
- Set email notification preferences
- Find your previous posts

The menu title will turn **orange** when there are new items that need your attention, such as new private messages or documents requiring your approval.



NASA Modeling Guru Basics

Still have Questions?

- GEOS
- MERRA
- GCE
- GISS ModelE
- fvCore

● Atmospheric Chemistry Models

- GEOS-CHEM
- GMI

● Ocean Models

- Poseidon
- MOM4
- MIT OGCM

● Solid Earth Models

● MAP Modeling Environment (MAPME) Workflow Tool

● Languages, Libraries & Tools

● Software Development

● Modeling Guru FAQs, Feedback & General Questions

- See the FAQ documents inside the “Modeling Guru FAQs, Feedback & General Questions” community
- Post any new questions or feedback concerning the use of Modeling Guru by starting a discussion thread in the same “Feedback & General Questions” area
- Or contact the Curator listed at the bottom of each Modeling Guru page